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|---|--|--|
| UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) | | Attorney Docket No. MSFT9 (010756.104511) |
| | | First Inventor Kang et al. |
| | | Title System and Methods for Robust Discovery of Servers and Services in a Heterogeneous Environment |
| | | Express Mail Label No. EV333127965US |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Commissioner for Patents
P. O. Box 1450
Mail Stop Patent Application
Alexandria, VA 22313-1450

- | | | |
|--|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>) | |
| 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> | |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 38]] <ul style="list-style-type: none"> - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure | a. <input type="checkbox"/> Computer Readable Form (CRF) | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 14]] | b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper | c. <input type="checkbox"/> Statement verifying identify of above copies |
| 5. Oath or Declaration [Total Sheets 2]] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (<i>for a continuation/divisional with Box 17 completed</i>) | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) | 10. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> |
| i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). | 11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>) | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 13. <input type="checkbox"/> Preliminary Amendment | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: | 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent |
| | 17. <input type="checkbox"/> Other: | |

ACCOMPANYING APPLICATION PARTS

- | | |
|--|--|
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) | 10. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> |
| 11. <input type="checkbox"/> English Translation Document (<i>if applicable</i>) | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| 13. <input type="checkbox"/> Preliminary Amendment | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> |
| 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent |
| 17. <input type="checkbox"/> Other: | |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: / _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | |
|--|--|-----------|---|
| <input checked="" type="checkbox"/> Customer Number: | 6980 | | OR <input type="checkbox"/> Correspondence address below |
| Name | Troutman Sanders LLP | | |
| Address | Bank of America Plaza, Suite 5200 600 Peachtree Street N.E. | | |
| City | Atlanta | State | Georgia |
| Country | US | Telephone | (404) 885-3141 |
| Registration No. (Attorney/Agent) | 44,562 | | |
| Date | October 6, 2003 | | |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT

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FEE TRANSMITTAL for FY 2004

Effective 01/01/03, patent fees are subject to annual revision

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$1378.00)

Complete if Known

| | |
|----------------------|-----------------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | Kang et al. |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | MSFT9 (010756.104511) |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Other None
 Order
 Deposit Account:Deposit
Account
Number

20-1507

Deposit
Account
Name

TROUTMAN SANDERS LLP

The Commissioner is authorized to: (check all that apply)

-
- Charge fee(s) indicated below
-
- Credit any overpayments
-
-
- Charge any additional fee(s) during the pendency of this application
-
-
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee | Small Entity Fee | Fee Description | Fee Paid |
|---------------------|------------------|------------------|------------------------|
| Code | Code | Fee | (\$) |
| 1001 | 2001 | 385 | Utility filing fee |
| 1002 | 2002 | 170 | Design filing fee |
| 1003 | 2003 | 265 | Plant filing fee |
| 1004 | 2004 | 385 | Reissue filing fee |
| 1005 | 2005 | 80 | Provisional filing fee |
| SUBTOTAL (1) | | \$ 770.00 | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Extra Claims | Fee from below | Fee Paid |
|--------------------|----------------|---------------|
| Total Claims | 42 - 20** = 22 | X 18 = 396.00 |
| Independent Claims | 5 - 3** = 2 | X 86 = 172.00 |
| Multiple Dependent | | = |

| Large Entity Fee | | Small Entity Fee | |
|---------------------|------|------------------|------|
| Code | Code | Fee | (\$) |
| 1202 | 18 | 2202 | 9 |
| 1201 | 86 | 2201 | 43 |
| 1203 | 290 | 2203 | 145 |
| 1204 | 86 | 2204 | 43 |
| 1205 | 18 | 2205 | 9 |
| SUBTOTAL (2) | | \$ 568.00 | |

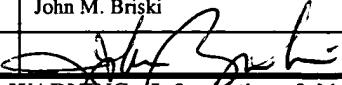
**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|------------------------------------|--------------|-----------------|---|
| Fee Code | Fee Code | Fee (\$) | Fee (\$) |
| 1051 | 2051 | 130 | 65 Surcharge - late filing fee or oath |
| 1052 | 2052 | 50 | 25 Surcharge - late provisional filing fee or cover sheet |
| 1053 | 1053 | 130 | 130 Non-English specification |
| 1812 | 1812 | 2,520 | 2,520 For filing a request for ex parte reexamination |
| 1804 | 1804 | 920* | 920* Requesting publication of SIR after Examiner action |
| 1805 | 1805 | 1,840* | 1,840* Requesting publication of SIR after Examiner action |
| 1251 | 2251 | 110 | 55 Extension for reply within first month |
| 1252 | 2252 | 420 | 210 Extension for reply within second month |
| 1253 | 2253 | 950 | 475 Extension for reply within third month |
| 1254 | 2254 | 1,480 | 740 Extension for reply within fourth month |
| 1255 | 2255 | 2,010 | 1,005 Extension for reply within fifth month |
| 1401 | 2401 | 330 | 165 Notice of Appeal |
| 1402 | 2402 | 330 | 165 Filing a brief in support of an appeal |
| 1403 | 2403 | 290 | 145 Request for oral hearing |
| 1451 | 1451 | 1,510 | 1,510 Petition to institute a public use proceeding |
| 1452 | 2452 | 110 | 55 Petition to revive - unavoidable |
| 1453 | 2453 | 1,330 | 665 Petition to revive - unintentional |
| 1501 | 2501 | 1,330 | 665 Utility issue fee (or reissue) |
| 1502 | 2502 | 480 | 240 Design issue fee |
| 1503 | 2503 | 640 | 320 Plant issue fee |
| 1460 | 1460 | 130 | 130 Petitions to the Commissioner |
| 1807 | 1807 | 50 | 50 Processing fee under 37 CFR 1.17(q) |
| 1806 | 1806 | 180 | 180 Submission of Information Disclosure Stmt |
| 8021 | 8021 | 40 | 40 Recording each patent assignment per property (times number of properties) |
| 1809 | 2809 | 770 | 385 Filing a submission after final rejection (37 CFR 1.129(a)) |
| 1810 | 2810 | 770 | 385 For each additional invention to be examined (37 CFR § 1.129(b)) |
| 1801 | 2801 | 770 | 385 Request for Continued Examination (RCE) |
| 1802 | 1802 | 900 | 900 Request for expedited examination of a design application |
| Other fee (specify) | | | |
| * Reduced by Basic Filing Fee Paid | | | |
| SUBTOTAL (3) | | \$ 40.00 | |

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

| Name (Print/Type) | John M. Briski | Registration. No. (Attorney/Agent) | 44,562 | Telephone | 404-885-3141 |
|-------------------|---|---------------------------------------|------------|-----------|--------------|
| Signature |  | Date | 10/06/2003 | | |

WARNING: Information of this may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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